

9638,
9638N, 9638S
COMBINED

Diag. Cht. No. 6002-2.

Form 504
U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE
DESCRIPTIVE REPORT
Type of Survey <u>Topographic & Shoreline</u>
Field No. <u>Ph-62</u> Office No. <u>T-9638</u>
LOCALITY
State <u>Washington</u>
General locality <u>Willapa Bay</u> <u>Rhodesia Beach to Needle Point</u>
Locality <u>Sandy Point - Rhodesia Beach</u>
<u>19</u> 50-57
CHIEF OF PARTY F. Natella, Chief of Field Party E. H. Kirsch, Balto. Photo. Office
LIBRARY & ARCHIVES
DATE <u>December 17, 1959</u>

B-1870-1 (1)

9638
9638N, 9638S
COMBINED

DATA RECORD

T - 9638

Project No. (II): Ph-62

Quadrangle Name (IV):

SANDY POINT

Field Office (II): Raymond, Wash.

Chief of Party: Fred Natella

Photogrammetric Office (III): Baltimore, Maryland

Officer-in-Charge: E. H. Kirsch

Instructions dated (II) (III): 20 March 1951

Copy filed in Division of
Photogrammetry (IV)

Letter No. 711-aal, dated 8/8/51; letter mkl dated
8/17/51, Horizontal Control.

Instructions - Supplemental, dated 2/15/52.

Letter No. 73, mkl, Horizontal & Vertical Control, dated 13 May 1952.

Method of Compilation (III): Air Photographic (Multiplex)

Manuscript Scale (III): *1:10,000
1:17,000

Stereoscopic Plotting Instrument Scale (III):

*1:10,000
1:17,000

Scale Factor (III): 1.000

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV): 6/24/58

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III):

Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): COUGAR 3, 1953

Lat.: 46° 34' 02.670"

Long.: 123° 55' 12.416"

Adjusted
~~unadjusted~~

Plane Coordinates (IV):

State:

Zone:

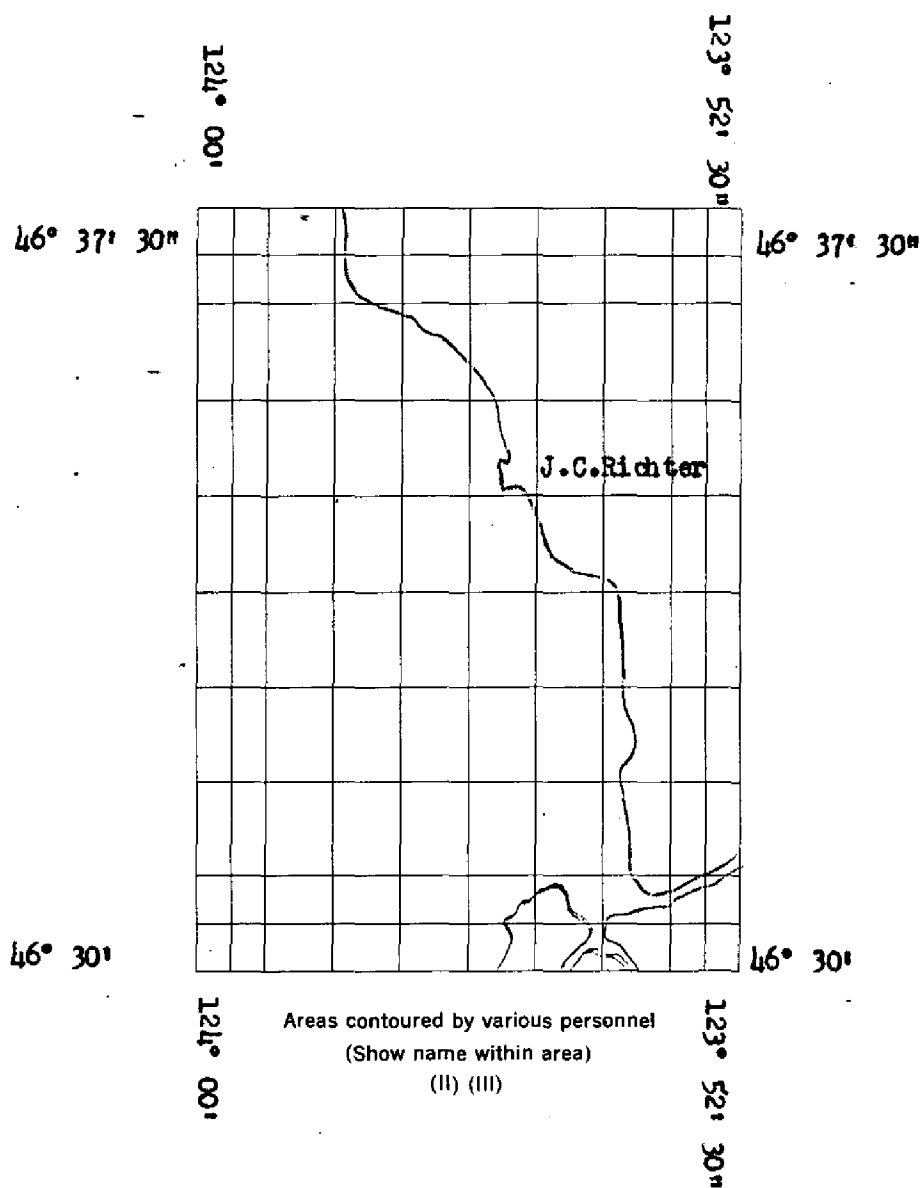
Y=

X=

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

2



DATA RECORD

3

Field Inspection by (II): **Interior: John H. Winniford**
Shoreline: Gordon R. Combs

Date: **Aug. Sept. 1955**
July-Aug. 1953

Planetable contouring by (II):

Date:

Completion Surveys by (II): **ELGAN T. JENKINS**

Date: **AUG. 23, 1951**

Mean High Water Location (III) (State date and method of location):
July 11, 1950 (Photogrammetric)

Projection and Grids ruled by (IV): ***J. Allen**
J. Allen
*** H. D. Wolfe**
 Projection and Grids checked by (IV): **H. D. Wolfe**

13 Oct. 1952
 Date: **3 Mar. 1953**
13 Oct. 1952
 Date: **3 Mar. 1953**

Control plotted by (III): ***D. M. Brant**
A. K. Heywood

Date: **6 Feb. 1954**
6 Feb. 1954

Control checked by (III): ***A. K. Heywood**
D. M. Brant

Date: **6 Feb. 1954**
6 Feb. 1954

~~Stereoscopic~~ Stereoscopic **D. M. Brant**
 Control extension by (III):

Date: **9 Feb. 1954**

Planimetry ***D. M. Brant**
D. M. Brant
 Stereoscopic Instrument compilation (III):
 Contours **J. C. Richter**

1 Mar. 1954
 Date: **9 Mar. 1954**
 Date: **12 Nov. 1954**

Manuscript delineated by (III): ***D. M. Brant**
J. C. Richter

Date: **9 Mar. 1954**
24 Nov. 1954

Photogrammetric Office Review by (III): ***A. K. Heywood**
A. K. Heywood

Date: **31 May 1955**
31 May 1955

Elevations on Manuscript
 checked by (II) (III): **A. K. Heywood**

Date: **31 May 1955**

***Pertains to Shoreline Survey only.**

Camera (kind or source) (III):

4

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
51-0-7305 thru 7309	6/17/51	16:05	1:40,000	3.6' above MLLW
50-0-1725 thru 1733	7/11/50	15:40	1:24,000	4.1' above MLLW
50-0-1712 thru 1715	7/11/50	15:29	1:24,000	4.1' above MLLW

Tide (III)
(From Predicted tables)

Reference Station: ABERDEEN, WASHINGTON
Subordinate Station: NAHCOTTA, WILLAPA BAY
Subordinate Station:

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
	7.8	9.9
1.0	8.0	10.2

Washington Office Review by (IV):

A.K. HEYWOOD

Date: JUNE, 1958

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 18
Shoreline (More than 200 meters to opposite shore) (III): 11
Shoreline (Less than 200 meters to opposite shore) (III): 13
Control Leveling - Miles (II): 19.8
Number of Triangulation Stations searched for (II): 31
Number of BMs searched for (II): 10
Number of Recoverable Photo Stations established (III): 3
Number of Temporary Photo Hydro Stations established (III): None.

Recovered: 10 Identified: 7
Recovered: 3 Identified: 3

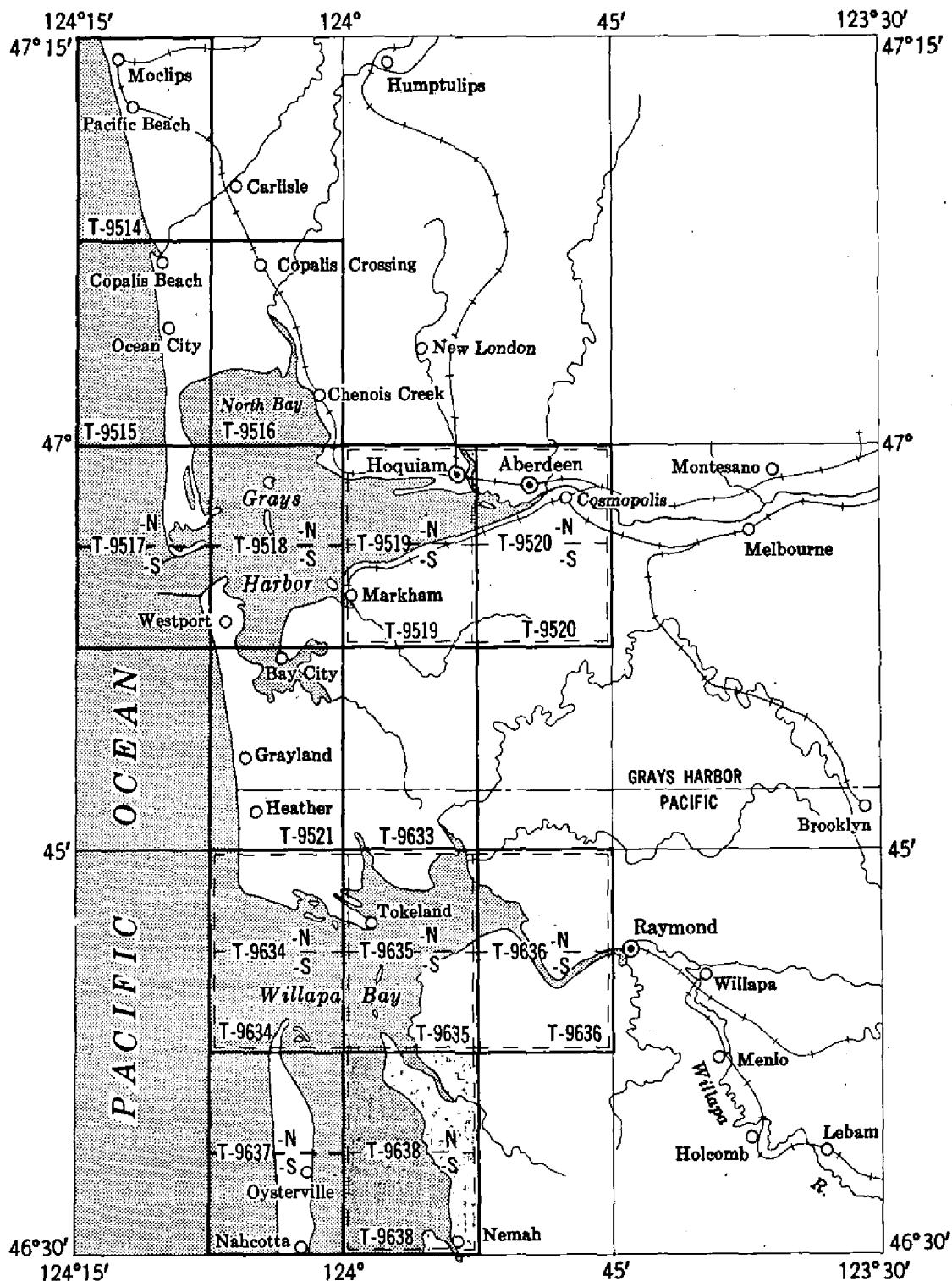
Remarks:

Horizontal position of 3 Topographic Stations and two Triangulation Stations established to serve as Horizontal Control.

TOPOGRAPHIC AND SHORELINE MAPPING PROJECT PH-62 (49) -5-

WASHINGTON, Grays Harbor - Willapa Bay

Compilation scales 1:10,000 and 1:20,000



TOPOGRAPHIC MAPS: T-9514, T-9515, T-9516 T-9519, T-9520, T-9521, T-9633 to T-9636 and T-9638, (scale 1:20,000),

T-9517-N, T-9517-S, T-9518-N, T-9518-S, T-9637-N, T-9637-S, (scale 1:10,000),

SHORELINE SURVEYS: T-9519-N, T-9519-S, T-9520-N, T-9634-N, T-9634-S,

T-9635-N, T-9635-S, T-9636-N, T-9636-S, T-9638-N, T-9638-S, scale 1:10,000,

SUMMARY

TO ACCOMPANY DESCRIPTIVE REPORT T-9638

Topographic Map T-9638 is one of 14 similar maps in Project PH-62. It covers from Sandy Point south to Needle Point in Willapa Bay.

This is a multiplex project in advance of Hydrographic surveys to be made in the area.

The field operations preceding compilation included complete field inspection. The establishment of some additional horizontal control and the determination of elevations necessary to control a multiplex project vertically.

Both a topographic and a shoreline survey was made of this area.

The topographic compilation was at a scale of 1:17,000. The manuscript consists of one vinylite sheet $7\frac{1}{2}$ in Latitude and $7\frac{1}{2}$ in Longitude.

The shoreline survey consisted of two sheets T-9638N and T-9638S at a scale of 1:10,000. Each sheet being $3\frac{3}{4}$ in Latitude and $7\frac{1}{2}$ in Longitude.

The entire map was field edited. ~~Contours do~~ not meet the National Standards of Map Accuracy. It is to be published by the Geological Survey as a standard topographic quadrangle at a scale of 1:24,000 without an accuracy statement.

The registered copies under T-9638 will include cronar film positives of the topographic manuscript and each of the shoreline maps.

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 9638

PROJECT NO. Ph-62

SCALE OF MAP 1:17,000 (approx.)

1:10,000 Shoreline

SCALE FACTOR

1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR λ -COORDINATE		DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
			•	"	FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
ILWACO OYSTER COMPANY HOUSE, SOUTH GABLE, 1953	Field Comp.	N.A. 1927	46	31	28.155	(983.3)					
			123	56	26.200	(720.4)					
COUGAR 3, 1953	"	"	46	34	02.670	(1770.2)					
			123	55	12.416	(1013.4)					
CURVE, 1953	"	"	46	32	57.604	(74.0)					
			123	53	34.882	(535.1)					
*WILL, 1953	"	"	46	35	28.879	(960.9)					
			123	55	46.824	(291.1)					
*RHODES, RM 2, 1939	Office Comp.	"	46	36	42.884	(528.6)					
			123	57	23.999	(766.1)					
*LEAR, 1933	Field Comp.	"	46	29	38.469	(664.8)					
			123	55	34.540	(543.0)					
NEEDLE 2, 1939	p. 749	"	46	30	40.655	(597.3)					
			123	55	20.204	(818.5)					
LONG 2, 1939	p. 752	"	46	29	50.495	(293.5)					
			123	58	40.497	(415.9)					
BENCH MARK - L62, 1939	p. 755	"	46	31	14.131	(1416.3)					
			123	53	12.133	(1020.3)					
NEMAH RIVER ENTRANCE CABIN ON PILES SOUTH GABLE, 1939	p. 757	"	46	31	22.777	(1149.4)					
			123	56	05.551	(1160.6)					
SLEVOICH, 1939	G-5788 p. 764	"	46	36	44.366	(482.7)					
			123	56	18.889	(874.8)					
*TS 1, 1953	Transverse N & S	"	480,218.90		(1457.3)						
			1,141,055.71		(1202.2)						

1 FT. = 3048006 METER

COMPUTED BY: A. K. Heywood

DATE 12/28/53

CHECKED BY: Henry P. Elchert

DATE 2/4/54

COMM-DC-5784C

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 9638

PROJECT NO. Ph-62

SCALE OF MAP 1:17,000

SCALE FACTOR 1,000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR λ -COORDINATE		DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
			•	"	FORWARD	(BACK)		FORWARD	(BACK)	
MISSION AZ., 1953	Field Comp.	N.A. 1927	46	36	45.034	1390.6	(462.1)			
			123	54	49.051	1043.8	(233.0)			
*RANK, 1953	Traverse N & S	"	476,005.20		306.4	(1217.6)				
			1,142,620.75		798.8	(725.2)				
NAHCOTTA CHANNEL MIDDLE SPIT LIGHT, 1953	Field Comp.	"	46	34	15.262	471.3	(1381.4)			
			123	58	33.281	708.7	(569.0)			
SOUTH WILLAPA BAY SANDY POINT LIGHT, 1953	"	"	46	36	33.541	1035.7	(817.0)			
			123	58	22.947	488.3	(788.5)			
NAHCOTTA CHANNEL LONG ISLAND SHOAL LIGHT, 1953	"	"	46	31	53.915	1664.8	(187.9)			
			123	58	34.154	727.9	(550.8)			
MISSION, 1953	"	"	46	36	56.098	1732.2	(120.5)			
			123	54	44.387	944.5	(332.2)			

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T. 9638

PROJECT NO. Ph-62

SCALE OF MAP 1:17,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR λ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
						FORWARD	(BACK)	FORWARD	(BACK)
Sub. Sta. BM L 62	Comp.	N.A. 1927	46 31	336.0 (1406.6)					
			123 53	214.2 (1064.7)					
Sub. Sta. "B" CURVE	Field Comp	"	464,201.29	1280.6 (243.4)					
			1,145,285.54	87.0 (1437.0)					
Sub Sta. "A" CURVE			PROTRACTOR						
Sub. Sta. COUGAR 3, 1953			PROTRACTOR						
Sub. Sta. RHODES 1939 R M 2	Comp		46 36	1331.8 (521.0)					
			123 57	510.7 (766.1)					
Sub. Sta. NEEDLE 2, 1939	Field Comp TRAV "L"		448,166.41	965.1 (558.9)					
			1,139,090.84	1246.9 (277.1)					
Sub. Sta. LONG 2, 1939			PROTRACTOR						
Sub. Sta. TN 16	Field Comp. N & S TRAV.		486,632.47	497.6 (1026.4)					
			1,149,708.33	1435.1 (88.9)					
Sub. Sta. "A" TN 28	Field Comp.		485,002.96	0.9 (1523.1)					
			1,145,422.67	128.8 (1395.2)					
Sub. Sta. "B" TN 28	"		485,079.13	24.1 (1500.0)					
			1,145,807.67	246.2 (1277.8)					
Sub. Sta. "A" RANK (Topo.)	Field Comp.	N.A. 1927	475,937.07	285.6 (1238.4)					
			1,142,123.15	830.0 (694.0)					
Sub. Sta. "B" RANK (Topo.)	"	"	476,121.07	341.7 (1182.3)					
			1,142,597.91	791.8 (732.2)					

1 FT = 3048006 METER
COMPUTED BY: A. K. Heywood

DATE 12 January 1954

CHECKED BY: D. M. Brant

DATE 2 February 1954

COMM-DC-5784

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SCALE FACTOR.....588.235..

1 FT. = 3048006 METER	COMPUTED BY..... A. K. Heywood	DATE..... 15 January 1953	CHECKED BY..... D. M. Brant	DATE..... 5 February 1954	COMM. DC. 5784.
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COMPILATION REPORT
Project Ph-62
Survey T-9638

Field Inspection Report: Bound with the Descriptive Report, for T-9633.

Photogrammetric Plot Report: Bound with the Descriptive Report, for T-9633.

31. DELINEATION

All detail, except shoreline, was delineated by multiplex methods. Detail points were established during the orientation of each model for use in the graphic compilation of shoreline. The topographic survey was delineated at a scale of 1:17,000; the shoreline survey at 1:10,000.

A reduction, on film positive, was furnished of the shoreline survey and used to transfer shoreline detail to the topographic survey.

The photography was unsatisfactory - replete with clouds, cloud shadows and glare.

Shoreline inspection was confusing. A discussion of these conditions is given in paragraph No. 7 of the Field Inspection Report. No shoreline inspection could be found for the area south of triangulation station NEEDLE 2. The foreshore area in the south half of the quadrangle in particular needs verification.

32. CONTROL

Refer to paragraph No. 23 of the Photogrammetric Plot Report.

Vertical control was adequate.

33. SUPPLEMENTAL DATA

Land plats:

T 13 N, R 10 W

T 12 N, R 10 W

34. CONTOURS AND DRAINAGE

Two factors which are interrelated affected the accuracy of contours in this survey; glare and clouds and lack of sufficient elevations. Where there was a lack of sufficient elevations, it was because the furnished elevations were obscured by clouds or glare. This affected the ability of the operator to absolutely orient the model.

All except one model contained 50% water and if a cloud interfered with the reading of a furnished elevation the solution became even more critical.

34. CONTOURS AND DRAINAGE (cont'd)

Since the entire area could not be completed with the 1:17,000 scale photography, because of clouds and glare areas, the 1:24,000 scale photographs were utilized to fill the gaps. Elevations to control these models were read during the orientation of the 1:17,000 scale set ups. Four such models were needed. It was felt that if these gaps were not filled as well as possible by multiplex, the cost of field edit would have been burdensome.

35. SHORELINE AND ALONGSHORE DETAILS

Refer to paragraph No. 31 of this report.

36. OFFSHORE DETAILS

These details cannot be considered complete until the application of data from the hydrographic survey.

THERE IS NO CONTINGUARY SURVEY
OF THIS AREA AND AS OF MAY 29, 1958
NONE IS CONTEMPLATED.

37. LANDMARKS AND AIDS

Refer to item No. 36.

*Some discrepancy exists between the position of aids as located by sextant fix and as located by theodolite cuts. The two positives were plotted on the manuscript. A suitable notation has been made on the manuscript indicating the discrepancy and left to be resolved by field edit.

* CHECKED DURING FIELD EDIT
AUG 5

38. CONTROL FOR FUTURE SURVEYS

A list of recoverable topographic stations has been prepared and included in paragraph 49. This paragraph "Notes to the Hydrographer," was submitted 5 April 1954 with the Shoreline Surveys prior to the body of the Compilation Report.

The positions of seven previously established topographic stations were verified or relocated by multiplex. Four others were established by the field party.

Paragraph 11 of the Field Inspection Report should list 12 topographic stations instead of 10. "BM H 62" and "BM H 62 RESET" should have been included.

-21- 13

39. JUNCTIONS

Junctions have been made with the following contemporary surveys:
To the north with Survey T-9635.
To the west with Survey T-9637.
To the east and south there are no contemporary surveys.

40. HORIZONTAL AND VERTICAL ACCURACY

Refer to paragraph No. 34 of this report.

Traverse "N", descriptions of which were furnished as part of the Field Inspection Report, was plotted to check the alignment of the Old State Road 12 and a small portion of U. S. 101. After plotting, the multiplex position held very well with the plotted traverse stations, and no changes were necessary. The descriptions of the traverse stations are found with the Descriptive Report for T-9633.

41. BOUNDARIES

Section lines are fair. The field inspection party was able to recover only one quarter corner and four points on line.

46. COMPARISON WITH EXISTING MAPS

A.M.S. Sheet 1277, 111 series V 791, scale 1:50,000, first edition 1938, reprinted 1947.

47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 6185, scale 1:40,000 published Sept. 1952, 36 Edition.

Items to be applied to Nautical Charts: None.

Items to be carried forward: None.

Approved and forwarded
7-27-55

For *Joseph Steinberg*
E. H. Kirsch,
Comdr. USC&GS
Balto. Photo. Office

Respectfully submitted
3 June 1955

A. K. Heywood
A. K. Heywood,
Carto. (Photo.)

PHOTOGRAMMETRIC OFFICE REVIEW

T-

1. Projection and grids _____ 2. Title _____ 3. Manuscript numbers _____ 4. Manuscript size _____

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy _____ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) _____ 7. Photo hydro stations _____ 8. Bench marks _____ 9. Plotting of sextant fixes _____ 10. Photogrammetric plot report _____ 11. Detail points _____

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline _____ 13. Low-water line _____ 14. Rocks, shoals, etc. _____ 15. Bridges _____ 16. Aids to navigation _____ 17. Landmarks _____ 18. Other alongshore physical features _____ 19. Other along-shore cultural features _____

PHYSICAL FEATURES

20. Water features _____ 21. Natural ground cover _____ 22. Planetable contours _____ 23. Stereoscopic Instrument contours _____ 24. Contours in general _____ 25. Spot elevations _____ 26. Other physical features _____

CULTURAL FEATURES

27. Roads _____ 28. Buildings _____ 29. Railroads _____ 30. Other cultural features _____

BOUNDARIES

31. Boundary lines _____ 32. Public land lines _____

MISCELLANEOUS

33. Geographic names _____ 34. Junctions _____ 35. Legibility of the manuscript _____ 36. Discrepancy overlay _____ 37. Descriptive Report _____ 38. Field inspection photographs _____ 39. Forms _____ 40. _____

Reviewer

Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Complier

Supervisor

43. Remarks:

M-2623-12

48. GEOGRAPHIC NAMES LIST

Bay Center Dike Road
Bay Center Junction

Freshwater Creek

* Long Island Shoal
Lynn Point

Middle Fork Calix River
Middle Nemah River

* Nahcotta Channel
Needle Point
Nemah

Nemah Junction
Nemah Road

* Nemah River Channel

* Nemah Spit
Niawiakum River
North Nemah River

Old State Road 12

Palix River
Pickernell Creek

Ramsey Point
Rhodesia Beach
Rhodesia Beach Bay Center Road
Rhodesia Beach Road

* Riddle Spit

Sandy Point
South Fork Palix River
South Nemah River
State 12

* Stanley Channel

U.S. 101

Willapa Bay
Williams Creek

* THESE NAMES ARE ON THE G.S.
OVERLAY FOR PUBLICATION.
THE FEATURE IS NOT SHOWN ON
THE MANUSCRIPT.

HRH

T-9638.

Geographic Names.

Bay Center Dike Road
Bay Center Junction

Freshwater Creek

Gatens Road (added to manuscript)

* Long Island Shoal
Lynn Point

Middle Fork Palix River

Middle Nemah River

Minks Ranch (added to manuscript)

* Nahcotta Channel

Needle Point

Nemah

Nemah Flats (marsh area, added to manuscript)

Nemah Junction

* Nemah River Channel

Nemah Road

* Nemah Spit

Niswinkum River

North Nemah River

Pacific County

Palix River

Pickernell Creek

Ramsey Point

Rhodesia Beach

Rhodesia Beach Bay Center Road

Rhodesia Beach Road

* Riddle Spit

Rose Ranch

Sandy Point

South Bend Palix River Road (use instead of Old State Road 12)

South Fork Palix River

South Nemah River

* Stanley Channel

Washington

Willapa Bay

Williams Creek

U.S. 101/ State 12

Names approved 5-20-57.

L. Heck

L.H.

* THESE NAMES ARE SHOWN
ON THE G.S. OVERLAY.
THE FEATURES ARE NOT SHOWN
ON THE MANUSCRIPT. AKA

NONFLOATING AIDS ORIENTED MARKS FOR CHARTS

STRIKE OUT ONE

Baltimore, Maryland

25 Feb. 1954

I recommend that the following objects which ~~have~~ *(have not)* been inspected from seaward to determine their value as landmarks be charted on ~~(separate)~~ the charts indicated.

The positions given have been checked after listing by

E. H. HARRIS

Chief of Party.

STATE			WASHINGTON			POSITION										METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OVERSHORE CHART	CHARTS AFFECTED
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE *			LONGITUDE *			DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OVERSHORE CHART	CHARTS AFFECTED						
			D. M. METERS	°	'	D. P. METERS	°	'													
LT	Nahicotta Channel (△ Long Island Shoal Lt., 1953)		53.915	46	31	1664.8	123	58	NA	1927	1953		X		6185						
LT	South Willapa Bay (△ Sandy Point Light, 1953)		33.541	46	36	1035.7	123	58	"	"	"		X		"						
LT	Nahicotta Channel (△ Hiddle Spit Light, 1953)		15.262	46	34	471.3	123	58	"	"	"		X		"						
LT	(△ Stanley Channel Light 4, 1953)		30.245	46	29	933.9	123	58	"	"	"		X		"						
BN	(Nemah River Channel Entrance Daybeacon 1, 1953)		45.177	46	34	1395	123	57	"	"	"		X		"						
BN	(Nemah River Channel Daybeacon 2, 1953)		11.874	46	34	367	123	57	"	"	"		X		"						
								</													

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

26 Feb. 1954

BE DELETED)
I recommend that the following objects which ~~have~~ *(have not)* been inspected from seaward to determine their value as landmarks be charted on ~~(the chart from)~~ the charts indicated.

Henry P. Eichert

E. H. Kirsch

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by

TO BE DELETED

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

Aberdeen, Washington

23 August 1957

I recommend that the following objects which have ~~(not been)~~ been inspected from seaward to determine their value as landmarks be ~~deleted from~~ *(deleted from)* the charts indicated.

The positions given have been checked after listing by

V. Ralph Sobieralski

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

STRIKE OUT ONE

NON-FLOATING AIDS OR LANDMARKS FOR CHARTS

Washington, D. C. May 26, 1958

I recommend that the following objects which have ~~(increased)~~ been inspected from seaward to determine their value as landmarks be ~~eliminated from~~ *(deleted from)* the charts indicated.

The positions given have been checked after listing by A. K. Heywood

L. W. Swanson

Chief of Party:

Field Edit

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

FIELD EDIT REPORT
WILLAPA BAY, SANDY POINT
Project Ph 62, Quadrangle T-9638
V. R. Sobieralski, Chief Of Party

51. METHODS.

All roads were ridden over to check their classification, to check the comparative positions of all buildings, to add new features, to make corrections and deletions and to visually check and correct, where necessary, adjacent contours. New buildings were added to the field edit sheet by scaled distances from the nearest mapped feature using plane table methods where necessary. All elevations added to the map were established by plane table traverse. The positions of all existing daybeacons were verified by graphic triangulation using the double weight field edit sheet as a plane table sheet. New piling were located by sextant fixes and shown on the field edit sheet. The shoreline was completely inspected and corrected by Mr. C.H. Bishop.

The field edit information is shown on the field edit print, the discrepancy print and two 1:10,000 scale photographs numbered 50-0-1712 and 50-0-1727 and two forms 152.

All additions and corrections have been shown with red ink and all deletions were made with green. There is no legend shown on the field edit sheet or the photographs.

52. ADEQUACY OF COMPILATION.

The compilation is near adequate and will be complete with the application of the field edit data.

53. MAP ACCURACY.

The horizontal accuracy of all features checked was found to be relatively good. Some elevations established as explained under item 51 are shown with violet ink on the field edit sheet.

54. RECOMMENDATIONS.

None offered.

55. EXAMINATION OF PROOF COPY.

Mr. I.W. Pouttu, Pacific County Engineer, South Bend, Washington has agreed to examine a proof copy of the map manuscript. Mr. Pouttu and members of his office are familiar with this area and it is believed they are well qualified to make the examination.

Approved and forwarded:

V. Ralph Sobieralski
V. Ralph Sobieralski
LCDR. C&G Survey
Officer in charge

Respectfully Submitted,
August 23, 1957

Elgan T. Jenkins
Elgan T. Jenkins
Cartographer

REVIEW REPORT T-9638
TOPOGRAPHIC
June 10, 1958

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

T-4498	H-498	1:18,648	1855	H-334	1:22,360	1852
H-334	H-2103	1:20,000	1851	H-498	1:18,648	1855
T-1292	H-2044	1:20,000	1890	1292	1:10,000	1872
T-1294	H-8137	1:10,000	1954	1294	1:10,000	1939
T-6726b	H-8335	1:10,000	1954	6726b	1:10,000	1939
T-6729				6729	"	1939

The above surveys are superceded by this manuscript for charting purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

South Bend AMS 1:50,000 copied from an AMS 1:62,500 quadrangle dated 1938.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Only a small portion of this manuscript is covered by contemporary hydrographic surveys.

These surveys are 8335 and 8137, dated 1954, scale 1:10,000. They cover the Palix River area only. A comparison was made and the surveys are in agreement.

65. COMPARISON WITH NAUTICAL CHARTS

6185

Offshore detail

There are numerous instances of differences in the number and location of pile between the manuscript and the chart.

All pile on the manuscript was located by plotting the sextant fixes furnished by the field party during field inspection. These fixes are to be found on the back of photo 51-0-1728.

The position of each pile was also checked during field edit and some additional pile located at that time on the field edit sheet.

Alongshore Detail

A difference in the interpretation of the rocks just offshore of Ramsey Point exists between the chart and the manuscript.

The manuscript data of two rocks bearing 10' and 20' respectively was furnished by the field editor on the field edit sheet.

A lone rock approximately .9 mi. SE of Sandy Point shown on the chart could not be seen by this survey. The field editor was requested to examine the shore detail and did so as recorded in item 51 of the edit report. No evidence of this rock was given at that time. It is recommended the rock be deleted from the chart and the area shown as foul.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with instructions as noted in a letter to the Chief, Photogrammetry Division, dated 23 June 1957 and written by H. R. Cravat.

A copy of this letter is bound with the Descriptive Report for T-9516.

Some accuracy tests were made along logging roads but none in the areas of dashed contours. In consideration of this and comments in item 34 of the Compilation report this manuscript does not meet the National Standards of Map Accuracy as applied to contours. Shoreline and planimetry are within the required accuracy.

67. JUNCTIONS

The planimetry tied well with an AMS Long Island quadrangle to the south. The contours appeared to agree well but could not be more definitely checked since the AMS sheet was published with a 50' interval.

The junction to the east with G. S. advance quadrangle South Bend SE $\frac{1}{2}$ held very well.

- 3 -

Reviewed by

for K. H. Mahi
A. K. Heywood

Approved

L. C. Landy
Chief, Review Branch
Photogrammetry Division

L. W. Swanson
Chief, Photogrammetry
Division

25 Nov. 59

MS

Max Skelton
Chief, Nautical Chart Branch
Charts Division

J. Bowie
Chief, Coastal Surveys
Division

NAUTICAL CHARTS BRANCH

SURVEY NO. T-9638 N&S.

Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.